

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1308349

Luminaire Tested: LDSQA3D17R609027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

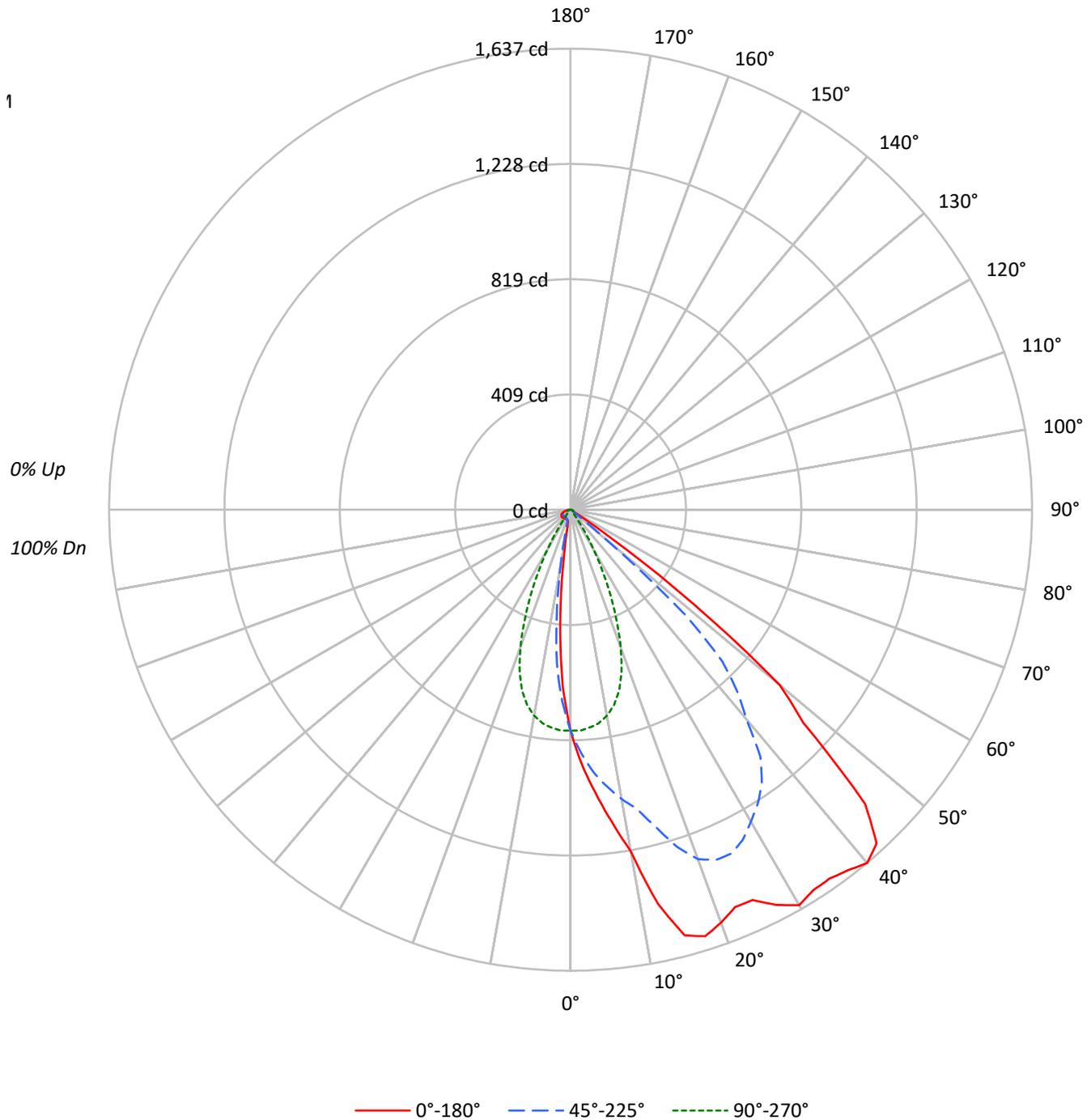
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1273.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	134954	134954	134954	134954	134954
5°	174333	161868	134224	95586	72938
10°	215434	182434	129900	36148	10720
15°	279001	207646	118497	7934	7078
20°	285910	241869	95377	6616	6836
25°	290513	256023	63944	6404	6860
30°	322421	254309	32992	6463	7179
35°	336329	248636	9104	6833	7842
40°	368009	218054	4317	7307	8656
45°	360054	185300	4384	7916	9669
50°	259545	45736	4823	8708	10637
55°	49813	2883	5044	9368	11920
60°	2480	2893	4960	9920	12848
65°	2445	2934	4890	10269	13733
70°	2417	3021	4834	10272	13898
75°	2396	3194	4791	10381	14373
80°	1190	3570	4761	10711	14282
85°	2371	2371	4742	9485	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 360054 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	5.4
10°-20°	188.1	14.8
20°-30°	289.6	22.7
30°-40°	339.8	26.7
40°-50°	272.5	21.4
50°-60°	84.6	6.6
60°-70°	16.0	1.3
70°-80°	10.6	0.8
80°-90°	3.7	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	545.9	42.9
0°-40°	885.6	69.6
0°-60°	1242.7	97.6
0°-90°	1273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	784	784	784	784	784	
5°	1008	936	776	553	422	103
15°	1565	1165	665	44	40	429
25°	1529	1347	336	34	36	722
35°	1600	1183	43	32	37	1012
45°	1478	761	18	32	40	1058
55°	166	10	17	31	40	262
65°	6	7	12	25	34	6
75°	4	5	7	16	22	3
85°	1	1	2	5	7	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	903.8	894.2	894.2	890.6	887.0	888.2	878.6	882.2	872.6	865.3	859.3
5°	1008.4	996.4	995.1	989.1	983.1	978.3	966.3	959.1	944.7	936.3	918.2
7.5°	1116.5	1106.9	1100.9	1093.7	1082.9	1070.9	1050.4	1037.2	1014.4	991.5	968.7
10°	1231.9	1223.5	1210.3	1201.9	1171.8	1152.6	1125.0	1106.9	1073.3	1043.2	1008.4
12.5°	1433.8	1429.0	1403.8	1387.0	1343.7	1305.2	1245.1	1197.1	1137.0	1087.7	1040.8
15°	1564.8	1558.8	1545.6	1530.0	1502.3	1459.1	1405.0	1337.7	1253.6	1164.6	1085.3
17.5°	1587.7	1588.9	1580.5	1576.9	1558.8	1531.2	1487.9	1437.4	1353.3	1254.8	1146.6
20°	1560.0	1569.6	1567.2	1574.5	1578.1	1567.2	1538.4	1489.1	1415.8	1319.7	1198.3
22.5°	1526.4	1534.8	1532.4	1545.6	1566.0	1576.9	1567.2	1527.6	1453.1	1346.1	1227.1
25°	1528.8	1534.8	1516.8	1525.2	1551.6	1578.1	1579.3	1544.4	1463.9	1347.3	1224.7
27.5°	1581.7	1563.6	1522.8	1519.2	1551.6	1585.3	1587.7	1544.4	1448.3	1322.1	1200.7
30°	1621.3	1608.1	1562.4	1556.4	1587.7	1610.5	1598.5	1531.2	1411.0	1278.8	1165.8
32.5°	1602.1	1604.5	1585.3	1604.5	1645.4	1655.0	1604.5	1499.9	1359.3	1236.7	1125.0
35°	1599.7	1609.3	1620.1	1650.2	1677.8	1655.0	1574.5	1441.0	1304.0	1182.6	1061.3
37.5°	1614.1	1629.7	1645.4	1671.8	1671.8	1612.9	1495.1	1366.5	1237.9	1105.7	929.0
40°	1636.9	1646.6	1651.4	1649.0	1616.5	1530.0	1405.0	1276.4	1153.8	969.9	841.3
42.5°	1606.9	1605.7	1600.9	1580.5	1520.4	1407.4	1290.8	1186.2	992.7	875.0	728.3
45°	1478.3	1478.3	1465.1	1432.6	1377.3	1283.6	1180.2	1027.6	905.0	760.8	540.8
47.5°	1118.9	1110.5	1125.0	1144.2	1144.2	1135.8	1042.0	909.8	784.8	549.3	173.1
50°	968.7	955.5	937.5	941.1	938.7	948.3	888.2	788.4	580.5	170.7	12.0
52.5°	548.1	572.1	631.0	713.9	751.2	764.4	727.1	599.7	195.9	10.8	9.6
55°	165.9	170.7	193.5	238.0	323.3	413.4	419.5	194.7	13.2	9.6	9.6
57.5°	7.2	7.2	9.6	14.4	33.7	50.5	54.1	12.0	8.4	9.6	9.6
60°	7.2	7.2	7.2	7.2	7.2	7.2	8.4	8.4	8.4	8.4	9.6
62.5°	6.0	6.0	7.2	7.2	7.2	7.2	7.2	7.2	8.4	8.4	8.4
65°	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2	7.2	8.4
67.5°	4.8	4.8	4.8	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.0	6.0	6.0	6.0
72.5°	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8	4.8	4.8	6.0
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8	4.8
77.5°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6
80°	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.6	3.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	850.9	841.3	830.5	784.8	740.4	680.3	639.4	627.4
5°	902.6	887.0	862.9	776.4	671.8	552.9	456.7	421.9
7.5°	945.9	921.8	888.2	764.4	590.1	375.0	241.6	204.3
10°	977.1	947.1	903.8	742.8	482.0	206.7	81.7	61.3
12.5°	1003.6	963.9	912.2	710.3	350.9	84.1	42.1	42.1
15°	1021.6	973.5	915.8	664.6	227.2	44.5	39.7	39.7
17.5°	1046.8	984.3	915.8	600.9	123.8	38.5	38.5	38.5
20°	1087.7	995.1	902.6	520.4	68.5	36.1	37.3	37.3
22.5°	1109.3	1010.8	885.8	426.7	43.3	34.9	36.1	36.1
25°	1114.1	1008.4	849.7	336.5	34.9	33.7	34.9	36.1
27.5°	1097.3	991.5	801.6	245.2	31.2	32.5	34.9	36.1
30°	1067.3	950.7	724.7	165.9	28.8	32.5	34.9	36.1
32.5°	1010.8	852.1	634.6	99.8	27.6	32.5	34.9	37.3
35°	884.6	748.8	531.2	43.3	26.4	32.5	36.1	37.3
37.5°	793.2	645.4	411.0	21.6	26.4	32.5	36.1	38.5
40°	692.3	519.2	189.9	19.2	26.4	32.5	36.1	38.5
42.5°	527.6	240.4	22.8	19.2	25.2	32.5	37.3	38.5
45°	192.3	25.2	12.0	18.0	25.2	32.5	37.3	39.7
47.5°	14.4	9.6	10.8	18.0	25.2	32.5	37.3	39.7
50°	9.6	9.6	10.8	18.0	25.2	32.5	37.3	39.7
52.5°	9.6	10.8	10.8	16.8	24.0	32.5	37.3	39.7
55°	9.6	10.8	10.8	16.8	24.0	31.2	37.3	39.7
57.5°	9.6	9.6	10.8	15.6	22.8	30.0	37.3	38.5
60°	9.6	9.6	10.8	14.4	21.6	28.8	34.9	37.3
62.5°	9.6	9.6	9.6	13.2	20.4	27.6	33.7	36.1
65°	8.4	8.4	9.6	12.0	18.0	25.2	31.2	33.7
67.5°	7.2	8.4	8.4	10.8	16.8	22.8	28.8	31.2
70°	7.2	7.2	7.2	9.6	14.4	20.4	26.4	27.6
72.5°	6.0	6.0	7.2	8.4	13.2	18.0	24.0	25.2
75°	4.8	6.0	6.0	7.2	10.8	15.6	20.4	21.6
77.5°	4.8	4.8	4.8	6.0	9.6	13.2	16.8	18.0
80°	3.6	3.6	3.6	4.8	7.2	10.8	13.2	14.4
82.5°	2.4	3.6	3.6	3.6	6.0	7.2	9.6	10.8
85°	2.4	2.4	2.4	2.4	3.6	4.8	6.0	7.2
87.5°	1.2	1.2	2.4	2.4	2.4	2.4	2.4	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)